

VOLKOV, P.D., gidrograf

Practice in the determination of shelf ice movement in the Lazarev Station region based on astronomical observations. Inform.biul.Sov. antark.eksp. no.42:13-15 '63. (MIRA 17:1)

1. Chatvertaya morskaya ekspeditsiya.

VOLKOV, P. D.

VOLKOV, P. D.: "Investigation of the operation of roller-bearing separators operating under axial loads." Moscow Order of Labor Red Banner Petroleum Inst imeni Academician I. M. Gubkin. Sci Res and Experimental Inst of the Bearing Industry (KNTIPP). Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Source: Enizhnaya letopis' No. 28 1956 Moscow

BAYKOV, S.P., kand. tekhn. nauk; BELENKO, I.S., kand. tekhn. nauk;
 HELKOV, S.F., inzh.; BELYANCHIKOV, M.P., inzh.; BERNSHTEYN,
 I.L., inzh.; BOGORODITSKIY, D.D., inzh.; BOLONOVA, Ye.V.,
 kand. tekhn. nauk; EROZGOL', I.M., kand. tekhn. nauk;
 VLADIMIROV, V.B., inzh.; VOLKOV, P.D., kand. tekhn. nauk;
 GERASIMOVA, N.N., inzh.; ZHUKHOVITSKIY, A.F., inzh.;
 KABANOV, M.F., inzh.; KALEVTSOV, V.M., kand. tekhn. nauk;
 KOLOTENKOV, I.V., inzh.; KONDRAT'YEV, I.M., inzh.;
 KUZNETSOV, I.P., kand. tekhn. nauk; L'VOV, D.S., kand.
 tekhn. nauk; LYSENKO, I.Ya., kand. tekhn. nauk; MAKAROV,
 L.M., inzh.; OLEYNIK, N.D., inzh.; RABINER, Ye.G., inzh.;
 ROZHDESTVENSKIY, Yu.L., kand. tekhn. nauk; SAKHON'KO, I.M.,
 kand. tekhn. nauk; SIDOROV, P.N., inzh.; SPITSYN, N.A., prof.,
 doktor tekhn. nauk; SPRISHEVSKIY, A.I., kand. tekhn. nauk;
 CHIRIKOV, V.T., kand. tekhn. nauk; SHEYN, A.S., kand. tekhn.
 nauk; NIBERG, N.Ya., nauchnyy red.; BLAGOSKLONOVA, N.Yu., inzh.,
 red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Antifriction bearings; manual] Podshipniki kacheniia; spra-
 vochnoe posobie. Moskva, Gos. nauchno-tekhn. izd-vo mashino-
 stroit. lit-ry, 1961. 828 p. (MIRA 15:2)
 (Bearings (Machinery))

VOLKOV, P.D., inzh.

Studying the performance of rolling friction bearing separators
under axial load. Trudy MNI no.20:288-304 '57.

(MIRA 13:5)

(Separators)

VOLKOV, P.D.

MASS I BOOK INFORMATION 807/8085

Integrat. Arkticheskiy i Antarkicheskiy nauchno-issledovatel'skiy institut
Problemy Arktiki; sbornik statey, Vyp. 5. (Problems of the Arctic Collection
of Articles, No. 5) Leningrad, Izdatvo "Nauka" transport, 1978. 123 p.
50 copies printed. KZNI OCT

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Soyuznaya Sovetskaya Rossiya.

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Klimovskiy, A. Ya. Babushkin, and A. P. Trubnikov (Chief Editor, Ed.).
Tech. Ed.: L. P. Bruchina.

NOTE: The publication is intended for geographers, oceanographers, and residents
interested in the study of the Arctic and Antarctic regions.

CONTENTS: This collection of 19 articles published by the Arctic and Antarctic
Institute deals with phenomena on the Arctic ice sheet. The first section
deals with atmospheric circulation in the Arctic. Articles on atmospheric
processing of aerial photographs in determining the form of icebergs, and
satellite observations and processes occurring on islands in Soviet Arctic waters.
Brief information on the results of Soviet Arctic and Antarctic expeditions is
included. References follow the articles.

Yakovlev, G. Ya. Shift of the Centers of Atmospheric Activity and of
the North-Atlantic Flow in Relation to Transformation of Tectonic Circulation by
Magma. 27. Connection between Changes of Pressure Near the Ground and in the
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REMARKS: Library of Congress

VOLKOV, P. D.

Volkov, P. D., Special case of determining drift in the conduct~~of~~ of oceanographic work with the aid of radar, Probl. Arktiki (Problems of the Arctic), No 5, 1958, p 113-115; (RZhGeog 1/60-655)

VOLKOV, P. D.

"Study of the Roll-Bearing Separators Operating Under Axle Load"

Problems of Petroleum Production and Petroleum Engineering, Moscow, Neftyanoy
institut, Gostoptekhnizdat, 1957, 393pp. (Trudy vyp. 20)
This book is a collection of articles written by professors and faculty members
of the Petroleum Inst. im I. M. Gubkin.

VOLKOV, P.D.

Determining the distance traveled by a vessel sailing through ice.
Inform. sbor. TSNIIIMF no.79 Sudovozh.i svias' no.20:71-75 '62.
(MIRA 16:7)
(Logs (Nautical instruments)) (Sea ice)

BELOBROV, Andrey Pavlovich. Prinimali uchastiye: BASKIN, A.S.,
inzh.-gidrograf; BOGLANOV, I.A., inzh.-gidrograf, dots.;
VIL'NER, B.A., inzh.-gidrograf; VOLKOV, P.D., inzh.-
gidrograf; GORSHKOV, N.M., inzh.-gidrograf; CHUROV, Ye.P.,
inzh.-gidrograf; YASHKEVICH, Ye.V., inzh.-gidrograf;
STUPAKOVA, L.A., red.

[Marine hydrography] Gidrografiia moria. Moskva, Trans-
port, 1964. 514 p. (MIRA 17:9)

VOLKOV, P.F.; SIDOROV, D.A.

Remedial treatment of embankments. Put' i put.khoz. 4 no.6:19
Je '60. (MIRA 13:7)

1. Starshiy inzhener distantsii puti, stantsiya Chudovo, Oktyabr'skoy
dorogi (for Volkov). 2. Nachal'nik otдела inzhenernykh sooruzheniy
sluzhby puti, stantsiya Chudovo, Oktyabr'skoy dorogi (for
Sidorov).

(Embankments--Maintenance and repair)
(Railroads--Track)

VOLKOV, P.G.

Mechanization of the loading of calcium resinate in the
manufacture of lacquer No.302. Lakokras. mat. 1 ikh prim.
no. 6:64 '60. (MIRA 13:12)
(Dnepropetrovsk--Lacquer and lacquering)

VOLKOV, P.O., master; STROYEV, A.G., inzhener.

Laying asbestos-cement cable pipes under roads. Energetik 1 no.3:18-19
Ag '53. (MIRA 6:8)
(Electric conduits)

VOLKOV, P.G.

New design of a bubbler oxidizer. Lakokras. mat. i ikh prim.
no.5:81-82 '61. (MIRA 15:3)

1. Dnepropetrovskiy lakokrasochnyy zavod.
(Bubbles) (Oxidation) (Paint machinery)

VOLKOV, P.G.

Reconditioning of broaches. Mashinostroitel' no.3:23 Mr '63,
(MIRA 16(4))

(Broaching machines)

VOLKOV, P.G.

For further development of theory and practice. Mashinostroitel'
no, 2:28 F '63. (MIRA 16:3)

1. Cherkesskiy zavod kholodil'nogo oborudovaniya.
(Factory management)

VOLKOV, P.G.

Attachments for machining eccentric and multifaxial parts on
lathes. Mashinostroitel' no.4:19 Ap'64 (MIRA 17:7)

Combating scale by means of boiler compounds. P. 1
 Volkov. *Sukkar* 17, No. 4, 18 20(1949); *Chimie &*
Industrie 43, 207. The most generally used products
 contain one or more of the following: Na_2PO_3 , Na_2CO_3 ,
 NaOH , Na_2CrO_4 , oak ext., starch and linseed. Oak ext.
 acts by formation of a protective Fe tannate film which
 covers the inner surface of the boiler. Starch disinte-
 grates the scale which has formed, but the mechanism of
 this action is not known. Potatoes, sugar and petroleum
 act similarly. Best results are obtained by the use of small
 amts. of several of these products. A. Papineau-Couture

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

VOLKOV, P.I.; MYSLUTIN, D.K.; DOBSHITS, M.L., red.; SHTEYN, I.V., red.;
GUSEV, K.M., tekhn. red.

[Beacons of transportation construction; a collection of sketches of communist labor brigades at transportation construction projects] Maiaki transportnogo stroitel'stva; sbornik ocherkov o brigadakh kommunisticheskogo truda na transportnykh stroikakh. Moskva, Orgtransstroï, 1961. 270 p. (MIRA 15:2)

(Construction workers)

VOLKOV, P.I.; MYSYUTIN, D.K., starshiy inzh.

Advanced mechanics employed in the construction of means of transportation. Trans. stroi. 13 no.8:6-11 Ag '63.
(MIRA 17:2)

1. Nachal'nik Otdela truda i zarabotnoy platy Gosudarstvennogo komiteta Tsentral'nogo komiteta professional'nykh soyuzov rabochikh zheleznodorozhnogo transporta rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseynykh dorog (for Volkov).

VOLKOV, P.I.

Device for conveying shafts. Mashinostroitel' no.6:26
Je '60. (MIRA 13:8)
(Conveying machinery)

VOLKOV, P.I., inzh.; WYSYUTIN, D.K., inzh.

Expansion of the movement of brigades of communist labor.
Transp.stroi. 9 no.8:5-9 Ag '59. (MIRA 13:1)
(Construction workers)

VOLKOV, P.I. inzh.

Vises for conveying parts. Mashinostroitel' no.7:41-42 J1 '58.
(MIRA 12:10)

(Vises)

VOLKOV, P.I.; DIYEV, N.P.; KOCHNEV, M.I.

Behavior of zinc compounds during matte jigging. Trudy Inst. met.
UFAN SSSR no.1:87-92 '57. (MIRA 11:9)
(Zinc compounds) (Ore dressing)

AUTHOR: Volkov, P.I., Engineer 117-58-7-17/25
TITLE: Tongs for Handling Parts (Kleshchi dlya transportirovki detaley)
PERIODICAL: Mashinostroitel', 1958, Nr 7, pp 41-42 (USSR)
ABSTRACT: The described semi-automatic suspended tongs moving on a rail are designed for gripping parts by the central bore and are thus applicable only for parts with an unfinished bore. The design was developed, with the author's participation, at the plant Uralmashzavod, in two sizes for bores of 100-150 mm and 150-200 mm and respective weight ranges of up to 300 and 500 kg. The tongs have drastically reduced the time needed for positioning parts on machine tools. The work principle of the tongs is described and illustrated. There is 1 diagram.

1. Machine tools--Design 2. Materials--Handling

Card 1/1

VOLKOV, P.I., inzh.; MYSYUTIN, D.K., inzh.

Success of socialist competition among construction workers in
the transportation industry is increasing greatly. Transp.stroi.

7 no.10:8-11 0 '57.

(MIRA 10:12)

(Transportation) (Construction industry)

~~SECRET~~
VOLKOV, P.I., inzh.; LAZAREV, D.F., inzh.

Preventing injuries in building and installation works, Transp.
stroil. 7 no.12:4-7 D '57. (MIRA 11:2)
(Building--Safety measures)
(Railroad engineering--Safety measures)

VOLKOV, P.I., inzh.; MYSYUTIN, D.K., inzh.

Socialist obligations of construction workers in the transportation
industry. Transp.stroi. 7 no.5:1-2 My '57. (MIRA 10:11)

(Transportation) (Construction industry)

VOLKOV, P.I., inzhener; MYSYUTIN, D.K., inzhener.

The achievements of leaders of socialist competition. Transp.stroi.
6 no.2:17-18 F '56. (MLRA 9:6)
(Road construction) (Railroads--Construction)

VOLKOV, P. I.

25775. VOLKOV, P. I. K voprosy o snizhenii raskhoda topliva (na sakharnykh zavodakh).
Sakhar, Prom-st; 1949, No. 7, s. 16-18.

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

VOLKOV, P. I.

25775

Kvoprosu o smizhenii raschoda topliva (na sakharnykh zavodakh.) Sakhar.
Prom-st', 1949, No. 7. S. 16-18.

SO: Letopis' No. 34

LITVINOV, A.S.; POTENBERG, R.V.; FRUMKIN, A.K.; FAL'KEVICH, B.S.,
doktor tekhn. nauk, retsenzent; PETROV, V.A., kand. tekhn.
nauk, retsenzent; VOLKOV, P.M., doktor tekhn nauk;
YEGORKINA, L.I., red.izd-va; MODEL', B.I., tekhn. red.

[Motor-vehicle chassis; construction and elements of design]
Shassi avtomobilia; konstruktsiia i elementy rascheta. Mo-
skva, Mashgiz, 1963. 502 p. (MIRA 16:12)
(Motor vehicles—Design and construction)

ACC NR: AP7000348

SOURCE CODE: UR/0413/66/000/022/0112/0113

INVENTOR: Volkov, P. M.; Strogachev, A. N.

ORG: None

TITLE: A device for testing the fatigue strength of hinged components. Class 42, No. 188726 [announced by the Military "Order of Lenin" Academy of Armored Tank Troops (Voyennaya ordena Lenina Akademiya bronetankovykh voysk)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 112-113

TOPIC TAGS: fatigue test, test facility, mechanical fastener, *TRACKED VEHICLE*

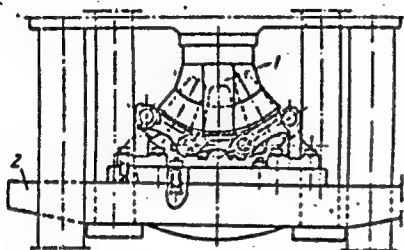
ABSTRACT: This Author's Certificate introduces: 1. A device for testing the fatigue strength of hinged components, e. g. caterpillar treads (tracks). The unit contains a loading mechanism which produces repeated variable loads, and a table with two adjustable moving clamps designed for holding the ends of the section of tread to be tested. This section may consist of three lengths, one of them horizontal with the other two at an angle to it. The unit is designed for producing test conditions which approach the actual operating conditions of the track. The device is equipped with a punch mounted opposite the table and making contact only with the horizontal link during loading by forces acting in the plane perpendicular to the plane of motion of the

Card 1/2

UDC: 620.178.3.05
1830 2672

ACC NR: AP7000348

movable clamps. This system permits simultaneous application of tensile and bending forces. 2. A modification of this device in which the loading mechanism is made in the form of a hydraulic pulser acting on the table.



1--punch; 2--hydraulic pulser

SUB CODE: 13/ SUBM DATE: 05Jan65

Card 2/2

VOIKOV, P.M., inzhener.

Centrifugal casting of bimetallic worm billets. Mashinostroitel'
no.7:39 JI '57. (MIRA 10:8)

(Centrifugal casting)

BAUM, Aleksandr Yefimovich, kand. tekhn. nauk; VOLKOV, P.N., red.;
SAVEL'YEVA, Z.A., tekhn. red.

[Grain drying] Sushka zerna. Moskva, Izd-vo tekhn. i ekon. lit-
ry po voprosam zagotovok, 1961. 71 p. (MIRA 14:8)
(Grain--Drying)

YATSEVICH, V.A., inzh.; GOVOROV, N.A., rad.; VOLKOV, P.N., rad.

[Experience in the mechanization of the handling of ready
production in Moscow Milling Combines No.3 and No.4] Opyt
mekhanizatsii rabot s gotovoi produktsiei na moskovskikh
me.'kombinatakh no.3 i 4. Moskva, TSentr. pravlenie nauchno-
tekhn. ob'-va mukomol'noi i krupianoi promyshl. i elevator-
nogo khoz., 1964. 33 p. (MIRA 18:5)

AVERBUKH, Vladimir Leonidovich; BERLIN, Isay Zakharovich; VOLKOV,
P.N., red.; SOVEL'YEVA, Z.A., tekhn. red.

[How to protect cereal products against radioactive,
chemical substances, and bacterial agents] Kak zashchitit'
khleboprodukty ot radioaktivnykh, khimicheskikh veshchestv
i bakterial'nykh sredstv. Moskva, TAINTI, 1963. 44 p.
(MIRA 16:12)

(Cereal products)
(Radioactivity—Safety measures)

KOZ'MINA, Natal'ya Petrovna, prof., doktor biolog.nauk, zasluzhennyy
deyatel' nauki; GEL'MAN, D.Ya., red.; VOLKOV, P.N., red.;
SAVEL'YEVA, Z.A., tekhred.

[Biological principles underlying the improvement of grain
quality] Biokhimicheskie osnovy uluchsheniia kachestva zerna.
Moskva, Izd-vo tekhn. i ekon.lit-ry po voprosam mukomol'no-
krupianoi, kombikormovoi promyshl. i elevatorno-skladakogo
khov., 1959. 402 p. (MIRA 13:5)
(Bread)

VOLKOV, P.N., insh.

Some results of demonstration building during 1956. Biul.stroi.
tekhn. 14 no.6:1-5 Je '57. (MIRA 10:11)

1. Gosstroy SSSR.

(Construction industry)

VOLKOV, P.N., inzhener.

Demonstration building in 1956. Biul.stroi.tekh.13 no.10:1-7 0'56.
(MIRA 10:1)

1. Gosstroy SSSR.

(Building)

PERTSOVSKIY, Yevgeniy Solomonovich; TSVETNOV, Serafim Aleksandrovich;
VOLKOV, P.N., red.

[Use of electronic technics in the flour milling and grain
elevator industries] Primenenie elektronnoi tekhniki v
mukomol'no-elevatornoj promyshlennosti. Moskva, TsINT.
Goskomzaga, 1963. 111 p. (MIRA 17:9)

BAUM, Aleksandr Yefimovich, kand. tekhn. nauk; GERZHOY, A.P., laureat Gosudarstvennoy premii, kand. tekhn. nauk, spets. red.; PTITSYN, S.D., kand. tekhn. nauk, retsenzent; ARKHANGORODSKIY, L.A., inzh., red.; VOLKOV, P.N., red.

[Grain drying] Sushka zerna, Izd.3., perer. i dop. Moskva, TsINTI, 1963, 267 p. (MIRA 17:11)

PONOMAREV, Vladimir Aleksandrovich; CHELYSHEV, Arkadiy Mikhaylovich;
VOLKOV, P.N., red.; SAVEL'YEVA, Z.A., tekhn. red.

[Safety measures in grain-receiving enterprises] Tekhnika bez-
opasnosti na khlebopriemnykh predpriyatiyakh. Moskva, Zagot-
izdat, 1962. 134 p. (MIRA 15:11)

(Grain handling--Safety measures)

FYSHKIN, Viktor Petrovich, inzh.; VOLKOV, P.N., red.; SAVEL'YEVA,
Z.A., tekhn. red.

[Mechanization of grain handling] Mekhanizatsiia rabot s
zernom. Moskva, Zagotizdat, 1961. 106 p. (MIRA 15:10)
(Grain handling)

VALUYSKIY, M.A.; VOLKOV, P.N., red.

[Use of ventilating systems at enterprises for grain
storing and processing] Eksploatatsiia ventiliatsion-
nykh setei na predpriiatiakh po khraneniui i pererabotke
zerna. Moskva, TsINTI Goskomzaga, 1963. 119 p.
(MIRA 17:12)

TUL'CHINSKIY, Yefim Moiseyevich, inzh.; VOLKOV, P.N., red.;
GOLUBKOVA, L.A., tekhn. red.

[Design and mounting of the equipment of mills with
pneumatic conveying] Konstruktsii i montazh oborudova-
niia mel'nits s pnevmaticheskim transportom. Moskva,
Zagotizdat, 1963. 177 p. (MIRA 16:10)
(Flour mills--Equipment and supplies)

DUDKIN, Mar Sergeyevich, kand. tekhn. nauk, dots.; VOLKOV, P.N.,
red.; SAVEL'YEVA, Z.A., tekhn. red.

[Production of feed products from the waste of grain processing] Poluchenie kormovykh produktov iz otkhodov pererabotki
zerna. Moskva, 1963. 54 p. (MIRA 16:12)
(Feeds)

SAVCHENKO, Sergey Mikhaylovich; VOLKOV, P.N., red.

[Remodeling grain receiving enterprises] Rekon-
struktsiia khlebopriemnykh predpriiatii. Moskva, Gos-
kormzag SSSR, 1963. 69 p. (MIRA 17:10)

PYSHKIN, Viktor Petrovich, inzh.; KARABANOV, Sergey Aleksandrovich, inzh.; PONOMAREV, Vladimir Aleksandrovich, inzh.; FROLOV, K.P., inzh., red.; VOLKOV, P.N., red.; SAVEL'YEVA, Z.A., tekhn. red.

[Manual for the mechanic of a grain receiving station]
Spravochnik mekhanika khlebopriemnogo punkta. Pod red. K.P. Frolova. Moskva, Zagotizdat, 1963. 243 p. (MIRA 16:9)
(Grain handling machinery)

TOVSHTEYN, Konstantin Matveyevich; PLATONOV, A.N., kand. ekon. nauk,
red.; VOLKOV, P.N., red.; GOLUBEKOVA, L.A., tekhn. red.

[Analysis of the managerial operations of grain-receiving
enterprises] Analiz khoziaistvennoi deiatel'nosti khlebo-
priemnykh predpriatii. Pod red. A.N. Platonova. Moskva,
TsINTI, 1963. 69 p. (MIRA 16:12)
(Odessa Province--Grain elevators--Accounting)

VOLKOV, P.N., red.; SAVEL'YEVA, Z.A., tekhn. red.

[Methodological instructions on determining the technological characteristics of wheat] Metodicheskie ukazaniia po opredeleniiu tekhnologicheskikh svoistv zerna pshenitsy. Moskva, 1963. 60 p. (MIRA 16:11)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov ego pererabotki.
(Wheat--Analysis) (Flour)

VOLKOV, P.P.

Park of the 22d Congress of the CPSU. Gor.khoz.Mosk. 35
no.9:49-50 S '61. (MIRA 14:10)

1. Nachal'nik Upravleniya lesoparkovogo khozyaystva Ispolkoma
Mossoveta.

(Moscow—Parks)

VOLKOV, P.P., inzh.-polkovnik; SHTEYNFEL'D, M.B., inzh.-podpolkovnik;
PESTOV, S.A., inzh.-podpolkovnik; KOLESOV, S.V., red.; KONOVALOVA,
Ye.K., tekhn. red.

[Laboratory work on electric engineering and electric power supply]
Laboratornye raboty po elektrotekhnike i elektropitaniiu. [By] P.P.
Volkov, M.B.Shteinfeld, S.A.Pestov. Moskva, Voenizdat, 1962. 247 p.
(MIRA 15:6)

(Electric laboratories)

VOLKOV, P.P.

Expansion of the greenhouse and nursery management in Moscow.
Gor.khoz.Mosk. 33 no.12:17-20 D '59. (MIRA 13:3)

1. Zamestitel' nachal'nika Upravleniya blagoustroystva Moskvyy.
(Moscow--Greenhouse management)
(Moscow--Nurseries (Horticulture))

Distr: 4E43

7 7
Apparatus for preparing emulsions. P. P. Volkov.
U.S.S.R. 107,419, Oct. 25, 1957. The app. has an auto-
matic device for discharging the emulsion. M. Horsch

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VOLKOV, P.P.

Improvement of wooded park areas. Gor. khoz. Mosk. 36 no.5:25-28 My
'62. (MIRA 15:7)

1. Nachal'nik Upravleniya lesoparkovogo khozyaystva Moskovskogo
gerodskogo ispolkoma.
(Moscow--Parks)

VOLKOV, Pavel Pavlovich; DANILOV, Grigoriy Nikolayevich; CHERNYAKOV, Irma
Isaakovich; VRUBLEVSKIY, A.V., inzh.-podpolkovnik, red.; MEDNIKOVA,
A.N., tekhn. red.

[Problem manual on electrical engineering] Zadachnik po elektro-
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VOLKOV, P.P.

~~Prospects and tasks of landscaping Moscow, Gor. khoz. Mosk, 32 no.3:~~
1..4 Mr '58. (MIRA 11:3)

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(Moscow--Landscape gardening)

YAKOBSON, Andrey Genrikhovich, inzh.; KARATAYEV, Vasil'y Kuz'mich, inzh.;
ZHULEZNIYAKOV, Georgiy Vasil'yevich, prof., doktor tekhn.nauk;
VOLKOV, Petr Petrovich, inzh.; GRISHIN, M.M., retsezent;
KRITSKIY, S.M., doktor tekhn.nauk, nauchnyy red.; PETROV, G.D.,
inzh., nauchnyy red.; SOKOL'SKIY, I.F., tekhn.red.

[Construction of cofferdams on the Volga River at the site of
the Stalingrad Hydroelectric Power Station; designing and studying
construction sites from the point of view of engineering geology]
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Moskva, 1959. 88 p. (MIRA 13:6)

1. Deyatvitel'nyy chlen Akademii stroitel'stva i arkhitektury
SSSR (for Grishin).
(Stalingrad Hydroelectric Power Station) (Cofferdams)

VOIKOV, P.S., inzhener-meliorator.

Furrowing as a method for moistening soils with surface water.
Gidr. 1 mel. 6 no.11:19-30 n '54. (MLRA 7:11)
(Irrigation)

VOROPAY, A.P.; ASHIN, G.K.; GONCHARUK, S.I.; MAKSIMENKO, I.I.;
SUSLYAYEVA, Ye.L.; SHEMANIN, G.M.; SHEMENEV, G.I., kand.
filos.nauk, red.; FATEYEV, P.Ya., retsenzent; VOLKOV,
P.S., retsenzent; PESKOVA, L.N., red.; BOBROVA, Ye.N.,
tekh. red.

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VOLKOV, P.T., dotsent

Gas gangrene infection in diseases and injuries in peace time. Trudy
LPMI 31 no.2:221-230 '63. (MIRA 17:10)

1. Iz kafedry obshchey khirurgii Leningradskogo pediatricheskogo
meditsinskogo instituta.

VOLKOV, P.T., dotsent (Leningrad, K-27, Bol'she-Okhtenskiy pr., d.65, kv.44)

Operative treatment of external fistulae of the stomach and intestines.
Nov. khir. arkh. no.12:37-44 D '61. (MIRA 14:12)

1. Kafedra obshchey khirurgii (zav. - prof. V.I.Korkhov) Leningrad-
skogo pediatricheskogo meditsinskogo instituta i kafedra fakul'tetskoy
khirurgii II (nachal'nik - deystvitel'nyy chlen AMN SSSR, prof A.V.
Mel'nikov [deceased]) Voenno-meditsinskoy ordena Lenina akademii
imeni S.M.Kirova.

(FISTULA)

(STOMACH--SURGERY)

(INTESTINES--SURGERY)

VOLKOV, P.T. (Leningrad, K-27, Gorushechnaya ul., d. 9, kv. 44)

Laparotomy as the last stage in the diagnosis of gastric cancer.
Vop. onk. 5 no.1:69-74 '59. (MIRA 12:3)

1. Iz kafedry fakul'tetskoy khirurgii No.2 Voenno-meditsinskoy or-
dena Lenina akademii Im. S.M. Kirova (nach. - deystvitel'nyy chlen
AMN SSSR A.V. Mel'nikov [deceased]
(STOMACH NEOPLASMS, diag.
laparotomy (Rus))

VOIKOV, P.T.

Remodeling SRN-4 transplanters. Kons. i ov. prom. 13 no.3:25-29
Mr '58.

(MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii
sel'skogo khozyaystva.
(Planters (Agricultural machinery))

VOLKOV, P.T., dotsent

Surgical treatment of pancreatic cysts. Trudy LPMI 31 no.2:55-61 '63.
(MIRA 17:10)

1. Iz kafedry obshchey khirurgii Leningradskogo pediatricheskogo
meditsinskogo instituta.

YUZVENKO, Yu.A., kand. tekhn. nauk; VOLKOV, P.V., inzh.

Mechanized deposition for hard facing under flux of the sormits I
alloy. Avtom. svar. 17 no.11:51-56 N '64 (MIRA 18:1)

1. Institut elektrosvariki ieni Ye.O. Patona AN' UkrSSR.

VOVKOV, P.V.; FILATOV, G.M.

Efficiency limit of weft forks on AT-100 and ATK-100 looms. Izv.
vys. ucheb. zav.; tekhn. tekst. prom. no. 3:95-98 '58. (MIRA 11:7)

1. Leningradskiy tekstil'nyy institut.
(Looms)

VOLKOV, P.V.

VOLKOV, P.V., kand.tekhn.nauk

Fuller use of the entire width of looms. Tekst.prom.17 no.9:58-59
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(Looms)

BOGOYAVLENSKIY, Vladimir Pavlovich; VOLKOV, Petr Vasil'yevich;
DOBRYAKOV, Anatoliy Vasil'yevich; SMORODINA, Tat'yana
Aleksandrovna, kand. fiz.-mat. nauk; OTRYASHENKOV, Yu.,
kand. tekhn. nauk, dots., retsenzent; AZI, N.E., inzh.,
retsenzent; AFANAS'YEVA, A.V., inzh., retsenzent;
KULIKOV, V.N., red.

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conductor devices] Laboratorno-prakticheskie raboty po
fizike i metrike poluprovodnikovyykh priborov. Moskva, Pro-
sveshchenie, 1965. 94 p. (ML 18:8)

VOLKOV, Pavel Vasil'yevich; SIMAKIN, V.V., retsenzent; PAVLOVA, M.I.,
retsenzent; ORLOVA, L.A., red.; LEVITSKAYA, N.N., tekhn. red.

[Arrangement and operation of mechanical looms for the cotton
weaving industry] Ustroistvo i obsluzhivanie mekhanicheskikh tka-
kikh stankov khlopchatobumaznoi promyshlennosti. Izd.3., ispr. i dop.
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(Looms) (Cotton manufacture)

VOLKOV, P.V., FILATOV, G.M.

Investigating the process of automatic bobbin change. Izv.vys.ucheb.
zav.; tekhn.tekst.prom. no.3:96-101 '60. (MIRA 13: 7)

1. Leningradskiy tekstil'nyy institut im. S.M. Kirova.
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Technologically required dimensions of reads. Izv. vys. ucheb.
zav.; tekhn. tekst. prom. no.1:86-91 '64. (MIRA 17:5)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti
imeni Kirova.

GORDEYEV, Vasil'y Aleksandrovich; NEKRASOV, Konstantin Pavlovich;
VOLKOV, Pavel Vasil'yevich; SIMAKIN, V.V., retsenzent; SOKOLOV,
A.F., spets. red.; SIDOROV, Yu.P., spets. red; AKSENOVA, I.I.,
red.; VINOGRADOVA, G.A., tekhn. red.

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tekhn. lit-ry RSFSR, 1961. 517 p. (MIRA 15:1)
(Cotton weaving) (Looms)

VOLKOV, P.V.

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fabric. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.4:
75-81 '63. (MIRA 16:11)

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SAVEL'YEV, I.A.; VOLKOV, P.V.; NIKHAMIN, S.Z.

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VOLKOV, Pavel Vasil'yevich

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Ustroystvo i Obsluzhivaniye Prostykh Mekhanicheskikh Tkatskikh Stankov
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(Weaving)

Volkov P.V.
VOLKOV, Pavel Vasil'yevich; SOKOLOV, A.P., retsenzent; MAL'CHIKOV,
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[Simple mechanical looms in the cotton industry and their
operation] Untroistvo i obsluzhivanie prostykh mekhanicheskikh
tkatskikh stankov khlopchatobumazhnoi promyshlennosti. Izd.2-oe
ispr. i dop. Moskva, Gos.vauchno-tekhn.izd-vo Ministerstva
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BR^DYANSKIY, V.M., kand.tekhn.nauk; BAZHENOV, M.I., inzh.; VOLKOV, P.V.,
inzh.; KRUSHINSKIY, M.M., inzh.; RERIKH, V.K., inzh.

Drying of oxygen by cooling. Prom.energ. 17 no.4:21-25 Ap
'62. (MIRA 15:4)

(Oxygen—Drying)

VOLKOV, P.V.

Teaching physics in connection with work training. Fiz.v
shkole 23 no.1:77-79 Ja-F '63. (MIRA 16:4)
(Physics—Study and teaching) (Education, Cooperative)

VOLKOV, P. YA.

VOLKOV, P. YA.--"Investigation of the Effect of Gaseous HCl on Cement Solutions in a Moist Medium." Min Higher Education USSR. Moscow Order of Lenin Chemicotechnological Institute D. I. Mendeleev. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science).

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VOLKOV, R.

Radio and electronic means of psychological warfare. Voen.sviaz.
16 no.4:45-46 Ap '58. (MIRA 11:4)
(United States--Psychological warfare)

VOLKOV, R.A. [Zaporozh'ye)

Jet flow of a viscous liquid from a circular pipe. Prikl. mekh. 5
no. 4:428-433 '59. (MIRA 13:3)
(Pipe--Hydrodynamics).

ARKHANGEL'SKIY, M.M.; VOLKOV, R.A.

Jet flow of a viscous liquid in a gravitational field. Uch. zap.
MOPI 92:93-103 '60. (MIRA 14:9)
(Hydrodynamics)

MATSYUK, L.N.; BOGDASHEVSKIY, A.V.; ZHAROVA, L.K.; KOLOPKOV,
Yu.M.; KOTOVSECHIKOVA, O.A.; VOLKOV, R.A., inzh.,
retsenzent

Welding of polymer films] Svarka polimernykh plenok.
Moskva, Mashinostroenie, 1965. 76 p. (MIRA 18:5)

L 33174-66 EWT(1)/EWP(m)/T-2 IJP(c)
ACC NR: AR6016237

SOURCE CODE: UR/0058/65/000/011/E102/E102

AUTHOR: Arkhangel'skiy, M. M.; Volkov, R. A.

TITLE: On the magnetohydrodynamic theory of the electric conductivity of metals

SOURCE: Ref. zh. Fizika, Abs. 11E791

REF SOURCE: Uch. zap. Mosk. obl. ped. in-ta, v. 147, 1964, 241-244

TOPIC TAGS: magnetohydrodynamics, electric conduction, current density, superconductivity, electric field

ABSTRACT: To calculate the electric conductivity of metals in a strong magnetic field, the equations of magnetohydrodynamics are used. Under certain simplifying assumptions, these equations are integrated in two particular cases: infinite strip of finite thickness, and infinitely cylindrical conductor of specified radius. The magnetic-field and electric-current distribution over the thickness of the plate and over the radius of the cylinder obtained in this manner are quite complicated, so that only the differential connection between the current density and the electric field intensity can be established (the electric conductivity coefficient depends on the coordinates). In the limiting case of an infinitesimally thin plate and an infinitesimally narrow cylinder, Ohm's law is satisfied. A qualitative explanation of the destruction of superconductivity of metals by a magnetic field is presented on the basis of inclusion of magnetohydrodynamic effects. G. Kvintsel'. [Translation of abstract]

SUB CODE: 20

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L 1115-66 EWT(1)/EPA(s)-2/EWA(h)

ACCESSION NR: AP5016311

UR/0144/65/000/005/0501/0509
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31

AUTHOR: Kuchin, V. D. (Candidate of technical sciences, Docent, Head of physics department); Asaturyan, A. Sh. (Candidate of technical sciences, Docent); Volkov, R.A. (Candidate of physico-mathematical sciences, Docent)

B

TITLE: Space charge in the field of the h-v inductor of electrostatic generators

SOURCE: IVUZ. Elektromekhanika, no. 5, 1965, 501-509

TOPIC TAGS: electrostatic generator

25

ABSTRACT: From a theoretical analysis of the field strength at a point in the inductor interelectrode gap, these conclusions are drawn: (1) The field strength falls off rapidly toward the gap depth; (2) The space charge is located in a very small part of the gap, next to the corona-displaying points; throughout the rest of the gap, the field strength is insufficient to form the space charge; (3) Although a

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ACCESSION NR: AP5016311

denser arrangement of the points diminishes the space-charge effect and steps up the ionization current, it also results in an undesirable increase in the critical voltage. A perfect h-v inductor would have fairly long and very thin points (which would impair its mechanical strength and shorten its life). It is suggested that h-v inductors be abandoned and radioactive sources (such as Ra⁸⁸ or Po²¹⁰, or for weak ionizations a beta-source) be used instead. The radioactive inductor would: (a) be many times smaller in size, (b) have better mechanical characteristics, and (c) have a minimal or nil space charge. Orig. art. has: 5 figures and 24 formulas.

ASSOCIATION: Zaporozhskiy mashinostroitel'nyy institut (Zaporozh'ye Machine-Building Institute)

SUBMITTED: 05Feb64

ENCL: 00

SUB CODE: EM

NO REF SOV: 002

OTHER: 000

Card 2/2

DP

ARKHANGEL'SKIY, M.M.; VOLKOV, R.A.

One exact solution of linearized Navier-Stokes equations. Uch.
zap. MOPI 92:105-110 '60. (MIRA 14:9)
(Differential equations, Linear)

VOLKOV, R. A. (Zaporozh'e)

"On the Basic Solution of Nonstationary Navier-Stoke's
Equations in Oseen's Approximation.

report presented at the First All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 27 Jan - 3 Feb 1960.

VOLKOV, R.Ä. (Zaporozh'ye)

Jet flow of a viscous liquid. Prykl. mekh. 5 no.3:318-326 '59.
(MIRA 13:2)

1.Zaporozhskiy mashinostroitel'nyy institut.
(Fluid dynamics)

S/170/60/003/04/10/027
B007/B102

AUTHOR: Volkov, R.A.

TITLE: The Application of the Laplace Transform in Some Problems of
Hydrodynamics |

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 4, pp. 65-72

TEXT: The trial of generalizing the Kirchhoff-Helmholtz theory on the case of a heavy perfect fluid offers considerable mathematical difficulties. The equations of continuity and the Bernoulli equations are nonlinear in this case. Here, these difficulties are avoided by application of linearized Stokes-Navier equations in the Oseen approximation. These equations are written down for the steady case (Ref. 1): Formula (1.1). It is shown that, in the case of a linear approximation, it is possible to consider in the Stokes-Navier equations the most important terms for the forces of inertia. An auxiliary function ψ is introduced. This function is determined by the formulas (1.5), is not a function of the flow and cannot be physically interpreted in a clear way. Formula (1.8) for determining ψ is derived and it is shown that the investigation of laminar

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The Application of the Laplace Transform in
Some Problems of Hydrodynamics

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flows is based on the Stokes-Navier equations in the Oseen approximation in the solution of (1.8) with boundary conditions to be assumed for ψ . First the laminar flow of a viscous fluid from a round opening in the bottom of the container is investigated. The boundary conditions (2.1) are chosen according to the Torricelli theorem, under consideration of viscosity. The boundary conditions (2.3) for ψ are found on the basis of (1.5) and (2.1). In this case equation (1.8) becomes (2.2). The latter is subject to a one-sided Laplace transform (Ref. 4) first according to z and then to y with consideration of the boundary conditions (2.3). A simple differential equation for $\bar{\psi}$ is obtained: Formula (2.4). The general solution of (2.4) is traced back to a particular solution. After this the laminar flow of a viscous fluid from a round vertical tube is investigated. It is assumed that the boundary conditions in the outlet obey the Poiseuille law: Formula (3.1). Using (2.2), the function ψ is determined analogously as before. This function is differentiated according to (1.5) and thus the components of the vector of velocity are obtained: Formulas (3.2). The equations (3.3) and (3.8) for the filament surface are obtained. This theory was checked by experiments, viz. the shape of the filament surface obtained experimentally was compared with that calculated from the equations (3.3) and (3.8). The device used is briefly described and Fig. 1 shows the dependence of

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The Application of the Laplace Transform in
Some Problems of Hydrodynamics

S/170/60/003/04/10/027
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the filament radius r on the distance z (until the opening) for 3 fluids. Fig. 2 shows the dependence of r on the kinematic viscosity ν for the case of fixed z , a (radius of the tube) and H/l (l denoting the tube length and H the level of the liquid). The differences between theory and experiment may be explained by the fact that in the Oseen approximation the effect of inertia was considered only partly and in the Stokes approximation not at all. There are 2 figures and 8 references, 6 of which are Soviet. (✓)

ASSOCIATION: Mashinostroitel'nyy institut, g. Zaporozh'ye (Institute of
Machine Building, City of Zaporozh'ye)

Card 3/3

VOLKOV, R. A.

Application of a Laplace transformation to certain problems
of hydrodynamics. Inzh.-fiz.zhur. no.4:65-72 Ap '60.
(MIRA 13:8)

1. Mashinostroitel'nyy institut, g. Zaporozh'ye.
(Laplace transformation) (Hydrodynamics)

VOLKOV, R. A., Cand Phys-Math Sci (diss) -- "On viscous luminar streams".
Moscow, 1960. 8 pp (Min Educ RSFSR, Moscow Oblast Pedagogical Inst im N. K.
Krupskaya, Chair of General Physics), 150 copies (KL, No 10, 1960, 125)

VOLKOV, R.A.; KUCHIN, V.D.

Certain nonlinear problems in the theory of electroconducti-
vity. Izv.vys.ucheb.zav.;fiz.no. 2:20-22 '64. (MIRA 17:6)

1. Zaporozhskiy mashinostroitel'nyy institut imeni V.Ya.Chubaryya.

KUCHIN, V. D.; VOLKOV, R. A.

"Physics course (Mechanics)" by M. M. Arkhangel'skii. Reviewed
by V. D. Kuchin, R. A. Volkov. Izv. vys. ucheb. zav.; fiz.
no. 5:179 '62. (MIRA 16:1)

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